

Work Order ID 57218

March 30, 2010 8:56:24 AM



Page 1

Item ID: D412-702-045B

Accept



Setup Start



Revision ID:

Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Stop



Start Date: 30/03/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 30/03/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan:

Date: 10/03/30 Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

DSI 9469

A

IIN D412-702

Rev E

100



0.00

DOCUMENT CONTROL

DC

Document Control

Memo

0.00

Photocopy bluefile & type labels per PPP D412-702-045B DSI 9469 CHG004

110



QC4- 100% Inspect kits for completeness

0.00

QC

Quality Control

Memo

0.00

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 57218

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Page 2

Item ID: D412-702-045B

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Setup Start



Revision ID:

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Stop



Start Date: 30/03/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 30/03/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

120



Packaging

Operation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

Packaging

0.00

Memo
Identify and pack for shipping as per PPP D412-702-045B
CHG003 Location: SD PPP Rev: D

10-3-30

130



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/03/30 AF

CL 10/31/30

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Picklist Print

March 30, 2010 8:56:28 AM

Page 1

Work Order ID: 57218



Parent Item: D412-702-045B



Parent Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Start Date: 30/03/2010

Required Date: 30/03/2010

Comments: IPP rev A 07.05.10 new issue EC
IPP Rev:B 07-07-06 As per Rev E

JLM

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/Item Name: AN4-16A



Bolt

Replacement Item ID:

Mfg/Purch:
Purchased

Bin Item No:

Primary Location:

Last Location:

Route Seq ID:

Unit of Measure:

Qty on Hand:

Remaining Qty To Pick:

Qty Issued:

Date Issued:

Status:

No

110

Each

108.0000

4.0000



✓

AN4-25A



BOLT

Purchased

No

110

Each

67.0000

8.0000



m11296C

AA

✓

✓

AN4-27A



Bolt

Purchased

No

110

Each

48.0000

8.0000



m104438

AA

✓

✓

Warehouse Location:

Loc Qty:

Loc Code:

Main Warehouse

ST360

67

104438

17

111605

50

No

110

Each

48.0000

8.0000

ST360

48

113359

4

113538

44

m113538

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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NOTE: Date & initial all entries

Picklist Print

March 30, 2010 8:56:28 AM

Page 2

Work Order ID: 57218



Parent Item: D412-702-045B



Parent Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Start Date: 30/03/2010

Required Date: 30/03/2010

Comments: IPP rev A 07.05.10 new issue EC

Start Qty: 2.00

Required Qty: 2.00

IPP Rev:B 07-07-06 As per Rev E JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch Purchased	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD416	208					110	Each	8.0000	40.0000		m113706	C



Washer

NA511490-4635

Warehouse

Location

Main Warehouse

ST357

Loc Qty

8

Loc Code

111279

8

Each

12.0000 4.0000



D3572-041



Manufactured No

Warehouse

Location

Main Warehouse

ST260

Loc Qty

12

Loc Code

55013

2

55679

10



D412-702-111B



Manufactured No

110

Each

0.0000 2.0000



55679

57210

C

D412-702-113B



Manufactured No

110

Each

0.0000 2.0000



Harness Assembly

D412-702-121B



Manufactured No

110

Each

0.0000 2.0000



57211

C

Harness Assembly

D412-702-121B



Manufactured No

110

Each

0.0000 2.0000



B 57212

C

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Picklist Print

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Page 3

Work Order ID: 57218



Parent Item: D412-702-045B



Parent Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Start Date: 30/03/2010

Required Date: 30/03/2010

Comments: IPP rev A 07.05.10 new issue EC

Start Qty: 2.00

IPP Rev:B 07-07-06 As per Rev E JLM

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D412-702-123B		Reva				110	Each	0.0000	2.0000		57213	
Harness Assembly	MS21042L4	Purchased	No			110	Each	2,185.000	12.0000			
Nut												

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST139	27	
111827	27	111827

Main Warehouse

ST300	2158	
102552	6	
104248	6	
110507	184	
113422	954	
114108	1000	
9063	8	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit

IS:

1	1			D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-3	BRACKET
1*	1*			D3579-047	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-3	DECAL
1	/1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1	1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*	1*			D3570-4	BRACKET
1*	1*			D3579-048	SHOULDER HARNESS
4*	4*			MS24694S50	SCREW
4*	4*			AN960JD10L	WASHER
1*	1*			MS21042L3	NUT
1*	1*			D3569-3	DECAL
4	4			AN4-27A	BOLT (ADD)

WAS:

2	2			D412-702-111B	HARNESS ASSEMBLY
2	2			D412-702-113B	HARNESS ASSEMBLY

* DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	09.06.30
CERT. NO.:	SH04-7
ISSUE NO.:	3

DESIGN	99	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	99	
CHECKED		DRAWING NO. DSI 9469
MFG. APPR.	NA	
APPROVED		REV. A SCALE NTS
DE APPR.		
DATE	09.06.30	TITLE AFT-FACING SEAT UPDATE

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-043B	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X		D412-702-047B	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X	D412-702-049B	Dart 1-Man 3-Point Forward Shoulder Harness Kit
1	1		1	1	D412-702-059	GROMMET KIT
2	1		1		D412-702-101B	HARNESS ASSEMBLY
1*	1*		1*		D3573-7	ADAPTER
1*	1*		1*		D3579-046	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
2	1		1		D412-702-103B	HARNESS ASSEMBLY
1*	1*		1*		D3573-8	ADAPTER
1*	1*		1*		D3579-045	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1	1			1	D412-702-105B	HARNESS ASSEMBLY
1*	1*			1*	D3573-1	ADAPTER
1*	1*			1*	D3579-046	SHOULDER HARNESS
1*	1*			1*	K6.2	CLIP
4*	4*			4*	MS24693S273	SCREW
4*	4*			4*	AN960JD10LL	WASHER
4*	4*			4*	MS21042L3	NUT
1	1				D412-702-107B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-046	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1	1				D412-702-109B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-045	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT

*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REF

DART AEROSPACE LTD.

IIN-D412-702

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QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
2		2			D412-702-111B	HARNESS ASSEMBLY
1*		1*			D3570-1	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
2		2			D412-702-113B	HARNESS ASSEMBLY
1*		1*			D3570-2	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1			1		D412-702-115B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-046	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1			1		D412-702-117B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-045	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
2	2				D3542-1	BRACKET
7	3		4	1	D3571-1	GUIDE
2	2				D3571-3	GUIDE
2		2			D3572-041	GUIDE ASSEMBLY
12	6		6	2	D3578-041	DOUBLER
2	2				D3610-041	BRACKET
2	2				D3618-1	CAP
4	4				AN4-10A	BOLT
2		2			AN4-16A	BOLT
4		4			AN4-25A	BOLT
2	2				AN4-44A	BOLT
2	2				MS24693S274	SCREW
3	3			1	MS24694S56	SCREW
10	2		8		MS24694S58	SCREW
1	1			1	MS24694S60	SCREW
26	6	20			AN960JD416	WASHER
4	4				AN960JD416L	WASHER
12	6	6			MS21042L4	NUT
24	12		12	4	CR3212-4-4	RIVET

*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

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Revision: E
Date: 07.06.27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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